

**WTW Safety Data Sheet**  
According to EC Directives 91/155/EEC

**1. Identification of the substance/preparation and of the company/undertaking**

*Product name:*

**Conductivity Standard 100  $\mu$ S/cm  $\pm$  3 %**

**Ord. No.: 300 578**

**Model: KS 100  $\mu$ S**

*Manufacturer:*

WTW Wissenschaftlich-Technische Werkstätten GmbH, Dr.-Karl-Slevogt-Straße 1, D-82362 Weilheim, Germany, Tel.: (0881) 183-0, Fax.: (0881) 62539

Emergency telephone:  
(001)-703-527-3887

**2. Composition/information on ingredients**

*Chemical characterization:* Dilute aqueous solution containing glycerol

*Ingredients:* Glycerol

*Hazard symbols:* No hazardous product

*R-phrases:* /

*Content:* /

*CAS-No.:* 56-81-5

*EINECS-No.:* 200-289-5

**3. Hazards identification**

No hazardous product as specified in directive 67/548/EEC.

**4. First aid measures**

*After inhalation:* Fresh air

*After skin contact:* Wash off with plenty of water.  
Remove contaminated clothing.

*After eye contact:* Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.

*After ingestion:* Make injured person drink plenty of water.  
Consult doctor if victim is feeling unwell.

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### 5. Fire-fighting measures

*Suitable extinguishing media:* To suit environment

*Unsuitable extinguishing media:* unknown

*Special risks:* At high temperatures water will evaporate. The remaining glycerol is combustible. Vapours occur which form explosive mixtures with air on intense heating. The following may develop in the event of fire: Acrolein

*Other information:* Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

### 6. Accidental release measures

*Personal-related precautionary measures:* No further requirements

*Environmental-protection measures:* No further requirements

*Procedures for cleaning/absorption:* Take up with liquid-absorbent material. Forward for disposal. Rinse away remainder with water.

### 7. Handling and storage

*Handling:* No further requirements

*Storage:* Store closed at room temperature (recommendation: +15 to +25°C)

### 8. Exposure control/personal protection

*Specific control parameters:* No specific control parameters

Personal protective equipment

*Respiratory protection:* not required

*Eye protection:* Protective glasses

*Hand protection:* not required

*Industrial hygiene:* Wash hands and face after working with solution.  
Change contaminated clothing.

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### 9. Physical and chemical properties

*Form:* liquid      *Colour:* colourless      *Odour:* odourless

*pH-value*      near 6 at 20°C  
*Melting temperature:*      not available  
*Boiling temperature:*      near 120°C  
*Ignition temperature:*      near 430°C  
*Flash point:*      near 180°C  
*Explosion limite lower:*      not available  
*upper:*      not available  
*Density:*      near 1.2 g/cm<sup>3</sup>  
*Solubility in water:*      miscible  
*Thermal decomposition:*      not available

### 10. Stability and reactivity

*Conditions to be avoided:*      strong heating

*Substances to be avoided:*      strong oxidizing agents, nitric acid/concentrated sulfuric acid, Phosphorus oxides, peroxi compounds, hydrogen peroxide, Halogens.

*Hazardous decomposition products:*      none

*Further information:*      none

### 11. Toxicological information

*Acute toxicity:*      No information available.

*Further toxicological information:*      No toxic effects are to be expected when the product is handled appropriately.

### 12. Ecological information

*Ecotoxic effects:*      No ecological problems are to be expected when the product is handled and used with due care and attention.

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### 13. Disposal considerations

- Products:* There are no uniform regulations for the disposal of chemicals or residues. The disposal is regulated through corresponding regional laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose the special waste.
- Packaging:* Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, noncontaminated packaging may be treated like household waste or recycled.

### 14. Transport information

Not subject to transport regulations

### 15. Regulatory information

Labelling according to EC directives

*Symbol:* No hazardous product  
*R-phrases:* /  
*S-phrases:* /

German regulations

*Water pollution class;* nonpolluting substance

*Regulation on combustible liquids;* VbF: /

*Other regulations:* none

### 16. Other information

Date of issue: 18.02.2004  
Supersedes edition of 28.09.2001  
Reason for alteration: General update

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.